

PTO/SB/21 (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/731,481
	Filing Date	12/6/2000
	First Named Inventor	Liu et al.
	Group Art Unit	2623
	Examiner Name	ANAND P BHATNAGAR
Total Number of Pages in This Submission	Attorney Docket Number	MS1-684US

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Certified Copy of Priority Documents	<input type="checkbox"/> Terminal Disclaimer	Form PTO-1449 and 18 cited references
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Request for Refund	Return Receipt Postcard
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> CD, Number of CD(s)	
Remarks  22801		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual Name	Brian G. Hart/Reg. No. 44421	
Signature	<i>Brian Hart</i>	
Date	8/11/05	

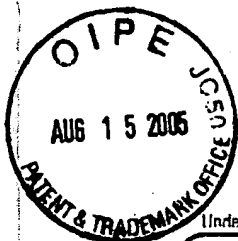
**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	LeAnn M. Sassman	
Signature	<i>LeAnn M. Sassman</i>	Date 8/11/2005

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PTO/SB/17 (12-04)  
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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180.00)

### Complete if Known

Application Number	09/731,481
Filing Date	12/6/2000
First Named Inventor	Liu et al.
Examiner Name	ANAND P BHATNAGAR
Art Unit	2623
Attorney Docket No.	MS1 684US

### METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 12-0769 Deposit Account Name: Lee & Hayes, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$)

Fee Paid (\$)

Multiple Dependent Claims Fee (\$)

Fee Paid (\$)

- 20 or HP =  $\frac{\text{Total Claims} - 20}{\text{HP}}$  x 50 = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20

Indep. Claims Extra Claims Fee (\$)

Fee Paid (\$)

- 3 or HP =  $\frac{\text{Indep. Claims} - 3}{\text{HP}}$  x 200 = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$)

Fee Paid (\$)

- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

180.00

#### SUBMITTED BY

Signature	Brian Hart	Registration No. 44421	Telephone (509) 324-9256
Name (Print/Type)	Brian G. Hart		Date 8/11/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1 Application Serial No.....09/731,481  
2 Filing Date .....12/6/2000  
3 Confirmation No. ....1300  
4 Inventorship .....Liu et al.  
5 Applicant .....Microsoft Corporation  
6 Group Art Unit .....2623  
7 Examiner .....ANAND P BHATNAGAR  
8 Attorney's Docket No. ....MS1-684US  
9 Title: System and Method Providing Improved Head Motion Estimations for  
10 Animation

INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

10 To: Commissioner for Patents  
11 PO Box 1450  
12 Alexandria, VA 22313-1450

13 From: Brian G. Hart (Tel. 509-324-9256; Fax 509-323-8979)  
14 Lee & Hayes, PLLC  
15 421 W. Riverside Avenue, Suite 500  
16 Spokane, WA 99201

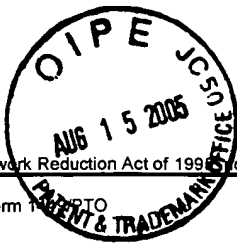
17 The attached form PTO-1449 is submitted in compliance with Applicant's duty of  
18 disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of  
19 official record in this application.

20 The Commissioner is hereby authorized to charge payment of fees or credit  
21 overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

22 Dated: 8/11/05

23 By: Brian Hart  
24 Brian G. Hart  
25 Reg. No. 44421

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Substitute for form PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/731,481
Filing Date	12/6/2000
First Named Inventor	Liu et al.
Art Unit	2623
Examiner Name	ANAND P BHATNAGAR
Attorney Docket Number	MS1 - 684US

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 20020102010	8/1/2002	Liu et al.	
		US- 5864630	1/26/1999	Cosatto et al.	
		US- 5995119	11/30/1999	Cosatto et al.	
		US- 6118887	9/12/2000	Cosatto et al.	
		US- 6154559	11/28/2000	Beardsley, Paul Anth	
		US- 6173069	1/9/2001	Daly et al.	
		US- 6445810	9/3/2002	Darrell et al.	
		US- 6504546	1/7/2003	Cosatto et al.	
		US- 6661907	12/9/2003	Ho et al.	
		US- 6714660	3/30/2004	Ohba, Akio	
		US- 6747652	6/8/2004	Inoue et al	
		US- 6771303	8/8/2004	Zhang et al.	
		US- 6807290	10/19/2004	Liu et al.	
		US- 6879709	4/12/2005	Tian et al.	
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

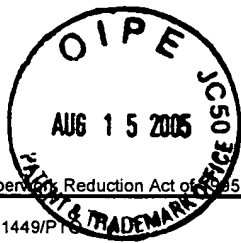
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/731,481
Filing Date	12/6/2000
First Named Inventor	Liu et al.
Art Unit	2623
Examiner Name	ANAND P BHATNAGAR
Attorney Docket Number	MS1- 684US

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Fritsch et al. "Improving adaptive skin color segmentation by incorporating results from face detection, IEEE 0-7803-7549-9, 337-343.	
		Spors et al. "A real-time face tracker for color video", IEEE 0-7803-7041- 4/01, 1493-1496.	
		Saber et al. "Face detection and facial feature extraction using color, shape and symmetry based cost function", IEEE 1015-4651/96, 654-658.	
		Shinjiro Kawato et al. "Automatic Skin-color Disribution Extraction for Face Detection and Tracking" IEEE 0-7803-5747, pgs 1415-1418.	

Examiner Signature	Date Considered
-----------------------	--------------------

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